


Improving Chemical Facility Safety and Security

SAFETY & HEALTH
LEARNING ALLIANCE

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Event Logistics

- Facilitator introduction
 - Mike Lipka, Knowledge Management Officer
NASA Safety Center
- To ask a question
 - Type your question in the chat box at the bottom right
- The presentation will last approximately 90 minutes
- To get a closer look at the slides, select “Full Screen”
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Agenda

- Goals of the Safety and Health Learning Alliance
- Today's Panel Speakers
- Discussion and key points
- Wrap-up and next event

Goals of the SHLA: The Four C's

- **COLLABORATE** Create a forum for collaboration
 - Repeatable process with trusted advisors
- **CONCENTRATE** Accelerate learning
 - “Quick hits” on timely, topical, and new approaches
- **CONTEXT** Learn from your peers—what they do and how they do it
 - Knowledge + Experience = Wisdom
- **CONNECT** Establish networking opportunities
 - Extend beyond events for personal and professional development

Learn more at <https://nsc.nasa.gov/SHLA>

Today's Panel Speakers

- **Jeffrey Wanko**
 - Safety Engineer, Office of Chemical Process Safety & Enforcement Initiatives
 - Occupational Safety and Health Administration
- **Lisa Long**
 - Director, Office of Engineering Safety
 - Occupational Safety and Health Administration
- **Amy Graydon**
 - Office of Infrastructure Protection
 - Department of Homeland Security
- **Reggie Cheatham**
 - Director, Office of Emergency Management
 - U.S. Environmental Protection Agency



Executive Order 13650: Improving Chemical Facility Safety and Security: A Shared Commitment

Department of Homeland Security

Environmental Protection Agency

Occupational Safety and Health Agency

Executive Order 13650



On August 1, 2013, the President signed an Executive Order to improve the safety and security of chemical facilities and reduce the risks of hazardous chemicals to workers and communities.

EO 13650 Five Thematic Areas

- Strengthening community planning and preparedness;
- Enhancing Federal operational coordination;
- Improving data management;
- Modernizing policies and regulations; and
- Incorporating stakeholder feedback and developing best practices

Strengthening Community Planning and Preparedness

- Enhancing and upgrading CAMEO suite of applications
- On-line training resources for first responders and emergency planners
- Fact Sheets
- Integrated Public Alert and Warning System (IPAWS)
- IP Gateway

Enhancing Federal Operational Coordination

- Regional Working Groups (RWG): The RWGs are holding regular meetings to foster relationships with regional and local stakeholders and sharing best practices
 - RWGs are working closely with other partners at the state, local and tribal levels to build upon the Standard Operating Procedures (SOPs) created as part of the Pilot Program
 - The creation of these SOPs will make beneficial changes on the ground throughout the nation, and have already yielded a number of successes in coordination

Improving Data Management

- Incorporation of data into EPA's facility registry system (FRS)
- Cross-walk of data sets
- Exploring additional information sharing opportunities

Modernizing Policies and Regulations

- EPA RMP Request for Information
- The Chemical Facility Anti-Terrorism Standards Act of 2014
- DHS CFATS Advance Notice of Proposed Rulemaking
- OSHA PSM Request for Information

Incorporating Stakeholder Feedback and Developing Best Practices

- Chemical safety and security best practices webpage:
<https://www.osha.gov/chemicalexecutiveorder/LLIS/index.html>
 - This repository was created to collect industry best practices that have resulted in successful, productive, safer, and more secure operations
 - These include best practices in the areas of Technology, Training, Safer Alternatives, Process Safety, and Administration
 - First Responders, Industry, Environmental-Community-Labor and Federal, State, local and Tribal stakeholders have already shared and continue to share best practices

EO: 13650 Available Resources

<https://www.osha.gov/chemicalexecutiveorder/>

EXECUTIVE ORDER 13650




On August 1, 2013, the President issued Executive Order 13650 – Improving Chemical Facility Safety and Security (EO). The EO directs the Department of Homeland Security (DHS), the Environmental Protection Agency (EPA), the Department of Labor (DOL), the Department of Justice (DOJ), the Department of Agriculture (USDA), and the Department of Transportation (DOT) to establish a Chemical Facility Safety and Security Working Group to improve chemical facility safety and security in coordination with State regulators; State, local, and tribal emergency responders; chemical facility owners and operators; and local and tribal communities (hereafter referred to as stakeholders). This fact sheet provides an update to the December 20, 2013, Progress Fact Sheet on progress to address improvements in chemical facility safety and security, specifically stakeholder input, operational coordination with State, local, and Tribal partners, and efforts to modernize policies, programs, and requirements. Through this Progress Fact Sheet the Working Group is specifically inviting public input on actions described herein to improve stakeholder coordination.

Stakeholder Input


At stakeholder meetings and listening sessions organized by the Working Group, agencies have continued to solicit feedback, best practices, and suggestions from interested stakeholders. The Working Group recently completed its fourth listening session. The Working Group web page, www.osha.gov/chemicalexecutiveorder, is a one-stop location that provides information and accepts comments from interested parties. Stakeholders also can submit written comments through email at eo.chemical@hq.dhs.gov or via the www.regulations.gov website (<http://www.regulations.gov/websocketdetail?d=DHS-2013-00735>).

Operational Coordination with State, Local, and Tribal Partners

Hazardous chemicals are located in many types of facilities and areas. Communities need to know where hazardous chemicals are used and stored; how to assess the risks associated with those chemicals; and how to ensure community preparedness for accidents or incidents that may occur. Many facility owners and operators rely on local resources for emergency preparedness and response, including first responders, emergency medical services, and hazardous materials response teams. It is important for facility owners and operators and their communities to foster strong relationships with one another and maintain a robust, open dialogue to help ensure chemical safety and security. Therefore, the EO directed the Working Group to develop a plan to support and further enable efforts by Federal regulators and stakeholders to work together to improve chemical safety and security.



EXECUTIVE ORDER 13650
ACTIONS TO IMPROVE CHEMICAL FACILITY SAFETY AND SECURITY – A SHARED COMMITMENT
REPORT FOR THE PRESIDENT
May 2014



FactSheet

Actions to Improve Chemical Facility Safety and Security

Responding to recent catastrophic chemical facility incidents in the United States, President Obama issued Executive Order (EO) 13650 “Improving Chemical Facility Safety and Security” on August 1, 2013. The focus of the EO is to reduce risks associated with hazardous chemical incidents to owners and operators, workers, and communities by enhancing the safety and security of chemical facilities. A Federal Interagency Working Group led by the Assistant Secretary of Homeland Security for the Office of Infrastructure Protection (DHIP); Assistant Secretary of Labor for the Occupational Safety and Health Administration (OSHA); and the Assistant Administrator of the Environmental Protection Agency’s (EPA) Office of Solid Waste and Emergency Response, in coordination with the Department of Justice (DOJ), Bureau of Alcohol, Tobacco, and Firearms (ATF), Department of Transportation (DOT), and the Department of Agriculture (USDA) oversees chemical facility safety and security.

Through the analysis of the current operating environment, existing regulatory programs and stakeholder feedback, a consolidated Federal Action Plan was created to address five elements:

- Strengthening community planning and preparedness
- Enhancing Federal operational coordination
- Improving data management
- Modernizing policies and regulations
- Incorporating stakeholder feedback and developing best practices

The Working Group has implemented the following actions since the release of the EO:

Strengthening Community Planning and Preparedness

The Interagency Working Group, in collaboration with state, local, tribal, and territorial governments and private sector partners, is working to develop, re-evaluate, and enhance programs to assist the following: State Emergency Response Commissions (SERC), Tribal Emergency Response Commissions (TEPC), Local Emergency Planning Committees (LEPC), and Tribal Emergency Planning Committees (TEPC). This is critical to improving chemical facility safety and security across the country. Actions include:

- EPA expects to release an on-line training module on key requirements for SERC/TEPCs and LEPCs/TEPCs under the Emergency Planning and Community Right-to-Know Act (EPCRA) this summer. EPA also hosted 32 Local Leadership Planning Committee (LEPC) workshops from May – September 2014. There are over 300,000 facilities covered by EPCRA, making these efforts a vital component of our work to strengthen chemical facility safety throughout the nation.
- DHS/FEMA is working with the 10 counties with the highest combination of Chemical Facility Anti-Terrorism Standards (CFATS) and Risk Management Program (RMP) facilities to ensure they are using the Integrated Public Alert and Warning System (IPAWS), which provides public notification of incidents at local chemical facilities.
- ATF is transmitting explosive contacts to SERCs to establish greater relationships and facilitate better communication between local responders and facilities, assist responders in discussing explosive storage information, and enable authorities to develop training for emergencies involving explosive plants and storage facilities. DHS has created a list of government-approved training courses for first responders and emergency planners which are available on the [EO website](http://www.eo.chemical).

Agency Available Resources

- For EPA Emergency Response information, please visit <http://www2.epa.gov/emergency-response>.
- For CFATS-related information, please visit www.dhs.gov/chemicalsecurity.
- For additional OSHA resources, please visit <https://www.osha.gov/chemicalexecutiveorder/resources.html>.

Wrap Up and Next Event

- Visit the SHLA Web site at nsc.nasa.gov/SHLA
 - Video of this presentation, slides, event summary
- SHLA Event Survey: We'd like to hear your feedback